I Number	Vito	Coarch Toyt	DB	Time ctamp
L Number	Hits	Search Text (US-5882137-\$ or US-6343888-\$ or	USPAT;	Time stamp 2002/12/04 14:32
3	9	US-5555762-\$).did. or (WO-107785-\$).did. or	EPO;	2002/12/04 14:32
		(US-6071453-\$ or EP-970291-\$ or EP-371834-\$	DERWENT	İ
		or DE-19734217-\$ or DE-19802475-\$).did.	DERWENT	
4	6	(US-3550232-\$ or US-3452415-\$ or	USOCR	2002/12/04 14:32
-	•	US-3263311-\$ or US-3036366-\$ or US-2332893-\$	OBOCK	2002/12/01 14.52
		or US-2134119-\$).did.		
5	0	((US-5882137-\$ or US-6343888-\$ or	USPAT;	2002/12/04 14:33
_		US-5555762-\$).did. or (WO-107785-\$).did. or	EPO; JPO;	
		(US-6071453-\$ or EP-970291-\$ or EP-371834-\$	DERWENT;	
		or DE-19734217-\$ or DE-19802475-\$).did.) and	IBM TDB	
		nitride	_	
6	0	((US-5882137-\$ or US-6343888-\$ or	USPAT;	2002/12/04 14:33
		US-5555762-\$).did. or (WO-107785-\$).did. or	EPO; JPO;	
		(US-6071453-\$ or EP-970291-\$ or EP-371834-\$	DERWENT;	
		or DE-19734217-\$ or DE-19802475-\$).did.) and	IBM_TDB	·
		nitride-hardened	_	
7	0	nitride?harden\$3 and ball and socket	USPAT;	2002/12/04 14:34
			EPO; JPO;	
			DERWENT;	·
۱ ا	10	nitride?harden\$3	<pre>IBM_TDB USPAT;</pre>	2002/12/04 14:46
8	19	interrue: naruenço	EPO; JPO;	2002/12/04 14:46
			DERWENT;	
			IBM TDB	
ا وا	13017	nitriding	USPAT;	2002/12/04 14:46
		,	EPO; JPO;	
			DERWENT;	
			IBM TDB	
10	692	nitriding and (piston or (ball and socket)	USPAT;	2002/12/04 14:48
		or ball adj joint)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
11	227	, ,	USPAT;	2002/12/04 14:48
		or ball adj joint)	EPO; JPO;	
			DERWENT;	1
12	46	nitriding with (piston or (ball and socket)	IBM_TDB	2002/12/04 15:06
12	40	or ball adj joint) and nitriding.ti.	USPAT; EPO; JPO;	2002/12/04 15:06
		or barr adj jorne, and mretraring.er.	DERWENT;	
			IBM TDB	
13	3791	nitriding	USPAT	2002/12/04 15:06
14	353		USPAT	2002/12/04 15:10
		or ball adj joint)		
15	55	nitriding with (piston or (ball and socket)	USPAT	2002/12/04 15:12
1,6	3.5	or ball adj joint)	110000	0000/10/01 15 5:
16	30	nitriding with (piston or (ball and socket) or ball adj joint)and harden\$3	USPAT	2002/12/04 15:53
17	11	or ball adj joint/and narden\$3   ("3802232"   "4905577"   "5072655"	USPAT	2002/12/04 15:55
*	11	"5114261"   "5114263"   "5253947"	OSEMI	2002/12/04 13:35
		"5392693"   "5490446"   "5702660"		
		"5724733"   "5758566").PN.		
18	0	(("3802232"   "4905577"   "5072655"	USPAT	2002/12/04 15:54
		"5114261"   "5114263"   "5253947"		,,
		"5392693"	1	
		"5724733"   "5758566").PN.) and nitriding		
19	6	("3120816"   "3589756"   "3787128"	USPAT	2002/12/04 16:03
		"4290181"   "5469776"   "5490446").PN.		
20	0	(("3120816"   "3589756"   "3787128"	USPAT	2002/12/04 15:55
		"4290181"   "5469776"   "5490446").PN.) and	1	
21	3.0	nitriding	HODAE	2002/12/24 15 22
21 22	12	5490446.URPN. 5490446.URPN. and nitriding	USPAT USPAT	2002/12/04 16:23 2002/12/04 16:04
23		piston and nitrid\$3	USPAT	2002/12/04 16:04   2002/12/04 16:24
24	257	. •	USPAT	2002/12/04 16:24
25	23,	piston with nitrid\$3.ti.	USPAT	2002/12/04 16:24
26	8	piston with (nitrided or nitriding).ti.	USPAT	2002/12/04 16:30
27	8	piston .ti. with (nitrided or nitriding)	USPAT	2002/12/04 16:31
28	161	(nitrided or nitriding).ti.	USPAT	2002/12/04 16:31
29	154	<pre>(nitrided or nitriding).ti. not(ring.ti.)</pre>	USPAT	2002/12/04 16:32

30	7	<pre>(nitrided or nitriding).ti. and piston\$1 not(ring.ti.)</pre>	USPAT	2002/12/04 16:40
31	5		USPAT	2002/12/04 16:41
32	4		USPAT	2002/12/04 16:44
33	125	I	USPAT	2002/12/04 16:45
34	10		USPAT	2002/12/04 16:45
35	17	("2541250"   "2980077"   "3178907"   "3187644"   "3319575"   "3633467"   "3741077"   "3828654"   "3896707"   "3915071"   "3915074"   "3984904"   "3999468"   "4216704"   "4494448"   "4760037"   "4803180").PN.	USPAT	2002/12/04 17:07
36	11	5007332.URPN.	USPAT	2002/12/04 17:09
39	709	(29/511).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/12/04 18:16
40	211	(92/57).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/12/04 18:25
41	0	(92/181).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/12/04 18:25
43	211	(92/57).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/12/04 18:25
44	332	(92/172).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/12/04 18:26
42	265	(92/181R).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/12/04 18:26
-	76	method.ti. and ball.ti. and socket.ti.	USPAT; EPO; JPO; DERWENT; IBM TDB	2002/12/04 10:17
-	10	<pre>(method.ti. and ball.ti. and socket.ti.) and (heat\$3 or tempering or temperature)</pre>	USPAT; EPO; JPO; DERWENT; IBM TDB	2002/12/03 11:35
-	10	<pre>(method.ti. and ball.ti. and socket.ti.) and (heat\$3 or temperature)</pre>	USPAT; EPO; JPO; DERWENT; IBM TDB	2002/12/03 11:41
-	1	<pre>(method.ti. and ball.ti. and socket.ti.) and (beading)</pre>	USPAT; EPO; JPO; DERWENT; IBM TDB	2002/12/03 11:43
-	0	107785.URPN.	USPAT	2002/12/03 11:42
-	5	"371834"	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/12/03 11:43
-	1	"19734217"	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/12/03 11:43
-	1	"9842949"	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/12/03 11:44

-	1	"19802475"	USPAT;	2002/12/03 11:44
			EPO; JPO;	
			DERWENT;	
		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	IBM_TDB	
_	322	(403/56).CCLS.	USPAT;	2002/12/03 15:52
	İ		EPO; JPO;	
			DERWENT;	
	202	(403/76).CCLS.	IBM_TDB USPAT;	2002/12/03 15:52
-	202	(403/76).0005.	EPO; JPO;	2002/12/03 13:52
			DERWENT;	
			IBM TDB	
_	369	(403/90).CCLS.	USPAT;	2002/12/03 15:52
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	539	(403/122).CCLS.	USPAT;	2002/12/03 15:52
			EPO; JPO;	
		•	DERWENT;	
			IBM_TDB	
-	0	(52/441.1).CCLS.	USPAT;	2002/12/03 15:53
	1		EPO; JPO;	
			DERWENT;	
	313	(20/441 1) COLC	IBM_TDB	2002/12/22 16 22
-	313	(29/441.1).CCLS.	USPAT;	2002/12/03 16:23
			EPO; JPO;	
			DERWENT; IBM TDB	
_	5	2332893.URPN.	USPAT	2002/12/03 16:20
_	آ آ	("6 and heat with (bend\$3 or deform\$3)").PN.	USPAT;	2002/12/03 16:24
		( 0 4114 11040 11201 (2011473 02 4020211173) ) (12111	EPO; JPO;	2002, 12, 03 10.21
			DERWENT;	
			IBM TDB	
-	0	((29/441.1).CCLS.) and heat with (bend\$3 or	USPAT;	2002/12/03 16:25
		deform\$3)	EPO; JPO;	' '
			DERWENT;	
			IBM_TDB	
-	253	(29/510).CCLS.	USPAT;	2002/12/03 16:25
			EPO; JPO;	!
			DERWENT;	
		(VG 2550020 2 DID	IBM_TDB	
-	0	(US-3550232-A.DID. ((29/441.1).CCLS.)) and	USPAT;	2002/12/03 16:25
		heat with (bend\$3 or deform\$3)	EPO; JPO;	
1			DERWENT;	
-	35731	heat with (bend\$3 or deform\$3)	IBM_TDB USPAT;	2002/12/03 16:26
	33,31	The state of the s	EPO; JPO;	2002/12/03 10:20
			DERWENT;	
			IBM TDB	
-	1779	( heat with (bend\$3 or deform\$3)) and ball	USPAT;	2002/12/03 16:26
			EPO; JPO;	
			DERWENT;	
ļ			IBM_TDB	
-	140	( heat with (bend\$3 or deform\$3)) and ball	USPAT;	2002/12/03 16:45
		and socket	EPO; JPO;	
			DERWENT;	
	400	402/1	IBM_TDB	2002/12/24
-	489	403/1	USPAT;	2002/12/04 10:18
			EPO; JPO;	
			DERWENT; IBM TDB	
-	1	403/548	USPAT;	2002/12/04 10:19
		,	EPO; JPO;	2002/12/04 10:19
			DERWENT;	
			IBM TDB	
-	o	(403/548).CCLS.	USPAT;	2002/12/04 10:21
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

-	229	(403/410).CCLS.	USPAT; EPO; JPO; DERWENT;	2002/12/04 10:21
-	6	(WO-107785-\$).did. or (US-6071453-\$ or EP-970291-\$ or EP-371834-\$ or DE-19734217-\$	IBM_TDB EPO; DERWENT	2002/12/04 10:35
-	6	or DE-19802475-\$).did. (US-3550232-\$ or US-3452415-\$ or	USOCR	2002/12/04 10:35
_	6	US-3263311-\$ or US-3036366-\$ or US-2332893-\$ or US-2134119-\$).did. (WO-107785-\$).did. or (US-6071453-\$ or	EPO;	2002/12/04 10:45
		EP-970291-\$ or EP-371834-\$ or DE-19734217-\$ or DE-19802475-\$).did.	DERWENT	
-	6	(US-3550232-\$ or US-3452415-\$ or US-3263311-\$ or US-3036366-\$ or US-2332893-\$ or US-2134119-\$).did.	USOCR	2002/12/04 10:45
-	2	((WO-107785-\$).did. or (US-6071453-\$ or EP-970291-\$ or EP-371834-\$ or DE-19734217-\$ or DE-19802475-\$).did.) and heat	USPAT; EPO; JPO; DERWENT; IBM TDB	2002/12/04 10:45
-	3	((WO-107785-\$).did. or (US-6071453-\$ or EP-970291-\$ or EP-371834-\$ or DE-19734217-\$ or DE-19802475-\$).did.) and heat\$3	USPAT; EPO; JPO; DERWENT;	2002/12/04 11:03
-	0	hot-beading	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:03
-	1	hot adj beading	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:09
-	22	beading and ball adj joint	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:13
-	6	( beading and ball adj joint) and heat\$3	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:15
-	4	( beading and ball adj joint) and heat\$3 and (bend\$3 or deform\$3)	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:15
-	775	heat\$3 with bend\$3 with eas\$3	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:35
-	37	heat\$3 with bend\$3 with eas\$3 and ball	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:31
-	4	heat\$3 with bend\$3 with eas\$3 and (ball adj joint or (ball and socket) or beading)	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:34
_	1	heat\$3 with bend\$3 with eas\$3 and (ball adj joint or beading)	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:35
-	371	(heat\$3 with bend\$3 with eas\$3) and (metal or steel)	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:37
-	92	((heat\$3 with bend\$3 with eas\$3) and (metal or steel)) and method.ti.	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:39
-	20	((heat\$3 with bend\$3 with eas\$3) and (metal or steel)) and method.ti.and bending .ti.	IBM_TDB USPAT; EPO; JPO; DERWENT;	2002/12/04 11:39
			IBM_TDB	

r <u> </u>	20	((heat\$3 with bend\$3 with eas\$3) and (metal	USPAT;	2002/12/04 11:45
		or steel)) and method.ti.and bending.ti.	EPO; JPO;	,,
		<b>3</b>	DERWENT;	
			IBM TDB	
-	104	(method and heat\$3 and bend\$3).ti. and	USPAT;	2002/12/04 11:48
		(metal or steel)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	0	(method and heat\$3 and bend\$3).ti. and	USPAT;	2002/12/04 11:49
	1	(metal or steel) and bends adj eas\$3	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	(method and heat\$3 and bend\$3).ti. and	USPAT;	2002/12/04 11:50
		(metal or steel) and eas\$3 adj to adj bend	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	104	(method and heat\$3 and bend\$3).ti. and	USPAT;	2002/12/04 11:50
		(metal or steel)	EPO; JPO;	
			DERWENT;	
	1		IBM_TDB	1